

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

1 -10. (cancelled)

11. (New) Fusion proteins comprising:

regions selected from the group consisting of specific antigen binding regions, microtubule binding regions, and immune response triggering regions.

12. (New) The fusion proteins of claim 11 wherein the specific antigen binding regions comprise a ligand or a ligand region.

13. (New) The fusions proteins of claim 11 wherein the specific antigen binding regions include a component selected from the group consisting of EGF, FGF, CSF, MGF, IL - 15, IL - 2, and regions thereof.

14. (New) The fusions proteins of claim 11 wherein the specific antigen binding regions include a component selected from the group consisting of gephyrin, Tau, MAP, MID - 1, MBP, put MBD or PMBP, FLJ 31424 Fis and regions thereof.

15. (New) The fusions proteins of claim 11 wherein the immune response triggering regions include a component selected from the group consisting of Fc of IgG, B 7.1, B 7.2 and regions thereof.

16. (New) The fusion proteins of claim 11 further comprising spacer or linker regions.

17. (New) The fusion proteins of claim 16 wherein the spacer regions include polyglycine, polyproline, prolines, or glycines.

18. (New) The fusion proteins of claim 11 further comprising at least one component selected from the group consisting of nucleic acid binding regions; polysaccharide binding regions; GFP, fluorescent regions; membrane penetration domains; GST regions; His tags, and regions for carry out of affinity purification.a cleavage site for a protease..

19. (New) The fusion proteins of claim 18 wherein the at least one polysaccharide binding region comprises a cellulose - binding region of the CipA protein.

20. (New) The fusion proteins of claim 18 wherein the GFP, fluorescent regions or the membrane penetration domains include the Gene - 3 - Protein of the bacteriophage fd, gp 41 or Tat protein of the HIV - 1.

21. (New) Nucleic Acid and Amino Acid sequences, DNA vectors, amino and nucleic acid, and cloning and expression systems for the fusion proteins of claim 11.

22. (New) Fusion proteins comprising:
regions selected from the group consisting of antibody binding regions, and microtubule - binding regions.

23. (New) The fusion proteins of claim 22 wherein the antibody binding regions include a component selected from the group consisting of Staphylococcal protein A (SPA), extracellular region of the Fc receptor CD 64, and regions thereof.

24. (New) The fusion proteins of claim 22 wherein the microtubule - binding regions include a component selected from the group consisting of Tau, MAP, MID - 1, MBP, FL J 31424 Fis, and regions thereof.

25. (New) Fusion proteins according to Claim 22 further comprising immune triggering regions.

26. (New) The fusion proteins of claim 25 wherein the immune triggering regions include Fc regions of immunoglobulin G or IgG, HLA - B 7.1 or HLA - B 7.2.

27. (New) The fusion proteins of claim 22 further comprising at least one component selected from the group consisting of spacer or linker regions; nucleic acid binding regions; polysaccharide binding regions; GFP, fluorescent regions; membrane penetration domains; GST regions; His tags, and regions for carry out of affinity purification. a cleavage site for a protease.

28. (New) The fusion proteins of claim 27 wherein:
the polysaccharide binding region comprises a cellulose - binding region of the CipA protein;
the GFP, fluorescent regions or the membrane penetration domains include the Gene - 3 - Protein of the bacteriophage fd, gp 41 or Tat protein of the HIV - 1; and
the spacer regions include polyglycine, polyproline, prolines, or glycines.

29. (New) Nucleic Acid and Amino Acid sequences, DNA vectors, amino and nucleic acid, and cloning and expression systems for the fusion proteins of claim 22.

30. (New) A nucleic acid or amino acid sequence comprises a sequence selected from the group of sequences consisting of SEQ ID NO: 1 - 12.